IN THE CLAIMS

1 (Original). A method comprising:

displaying an image using a second order non-linear electro-optic effect.

2 (Original). The method of claim 1 including forming an imager for a high end large screen rear projection high definition television.

3 (Original). The method of claim 1 including forming an imager for a front-projection system.

4 (Original). The method of claim 1 including forming a second order non-linear electro-optic film over a substrate.

5 (Original). The method of claim 4 including forming transistors in said substrate.

6 (Original). The method of claim 5 wherein forming transistors includes forming memory transistors and drive transistors in said substrate.

7 (Original). The method of claim 2 including forming a thermal interface material over a support structure and forming said substrate over said thermal interface material.

8 (Original). The method of claim 7 including forming said film of a second order electro-optic material having a switching speed on the order of at least one gigaHertz.

9 (Original). The method of claim 8 including forming said film of an electro-optic material having a switching speed of greater than 100 gigaHertz.

10 (Original). The method of claim 9 including forming said film of a stilbene-based organic molecular salt.

11 (Original). The method of claim 10 including forming said film of 4'-dimethylamino-N-methyl-4-stilbazolium tosylate.

12 (Original). An imager comprising:

a second order non-linear electro-optic film.

13 (Original). The imager of claim 12 including a support structure covered by a thermal interface material and a substrate over said support structure.

14 (Original). The imager of claim 13 including transistors formed in said substrate.

15 (Original). The imager of claim 14 including drive transistors and memory transistors in said substrate.

16 (Original). The imager of claim 12 wherein said film has a switching speed of at least one gigaHertz.

17 (Original). The imager of claim 16 wherein said film has a switching speed of greater than 100 gigaHertz.

18 (Original). The imager of claim 12 wherein said film includes a stilbene-based organic molecular salt.

19 (Original). The imager of claim 18 wherein said film includes 4'-dimethylamino-N-methyl-4-stilbazolium tosylate.

20 (Original). A system comprising:

a processor; and

an imager coupled to said processor, said imager including a second order non-linear electro-optic effect film.

21 (Original). The system of claim 20 including a support structure covered by a thermal interface material and a substrate over said support structure.

22 (Original). The system of claim 21 including transistors formed in said substrate.

23 (Original). The system of claim 22 including drive transistors and memory transistors in said substrate.

24 (Original). The system of claim 20 wherein said film has a switching speed of at least one gigaHertz.

25 (Original). The system of claim 24 wherein said film has a switching speed of greater than 100 gigaHertz.

26 (Original). The system of claim 20 wherein said film includes a stilbene-based organic molecular salt.

27 (Original). The system of claim 26 wherein said film includes 4'-dimethylamino-N-methyl-4-stilbazolium tosylate.

28 (Previously Presented). The system of claim 20 wherein in said system includes a front projection display system.